

The Quarterly Stick



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Does Acetaminophen Diminish Immune Response To A Vaccine?

This surfaced as findings in a single study that, in some circumstances, showed a reduced response to some vaccines when acetaminophen was given prophylactically to prevent fever following vaccination.

At the time when whole cell pertussis vaccine was still in use, ACIP recommended consideration of prophylactic administration of antipyretics such as acetaminophen to children at higher risk for seizures. This recommendation was specifically linked to preventing febrile seizures. Since then, thinking on this issue has changed.

We know that fever is a potential adverse event following vaccination. However a review of data by the American Academy of Pediatrics (AAP) suggests that even when given at the time of fever, antipyretic drugs are not



effective in preventing febrile seizures. We are still learning and understanding the mechanism by which febrile seizures occur. Both AAP and ACIP are concerned about the potential overuse of antipyretics solely for the purpose of reducing the chance of a febrile seizure, especially if fever does not occur. Of course not every child develops a fever after vaccination. The revised General Recommendations on

Immunization (to be published later in 2010) will say the following: "The evidence does not support use of antipyretics before or at the time of vaccination, but they can be used for the treatment of fever that might occur following vaccination. Studies have not demonstrated antipyretics to be effective in the prevention of febrile seizures (ref AAP Steering Committee on Quality Improvement and Management, Subcommittee on Febrile Seizures, Pediatrics, 2008)."

All recommendations for prophylactic use of acetaminophen or other analgesics **prior to or at the time of** vaccination are being removed, as they have been from the AAP Red Book.

<http://www.cdc.gov/vaccines/imzupdate/imzupdate-fags.htm>

3 Reasons To Get The Flu Vaccine

1. Nearly 100 children younger than age 5 die in the U.S. from influenza and it's complications every year.
2. More than 20,000 children younger than age 5 are hospitalized annually because of influenza.
3. Complications from influenza cause 36,000 deaths and more than 200,000 hospitalizations each year.



*What compounds this tragedy is that much of the serious illness and death caused by influenza is **PREVENTABLE!***

What Is Wrong With This Record?

DOB: June 20th, 2009

DTaP: 8/20/09, 12/02/09,
02/03/09

Hep A: 09/09/2010

Hep B: 06/21/09, 08/20/09,
02/03/10

Hib: 08/20/09, 12/02/09,
02/03/10

Influenza: 09/27/10

H1N1: 02/03/10

MMR: 09/27/10

Pneumococcal: 08/20/09,
12/02/09, 02/03/10,
09/09/10 (PCV-13)

Polio: 8/20/09, 12/02/09,
02/03/10

Varicella: 09/09/10

(Find the answer on page 4,
left bottom)

IAC's Video Of The Week

IAC encourages IAC Express readers to watch a 2-minute video in which Dr. Paul A. Offit, of the Children's Hospital of Philadelphia (CHOP), talks about the highly successful experience CHOP had last year when it instituted a mandatory employee influenza vaccination requirement. The video is located on Medscape, and registration is required to access it. There is no charge to register.

Four additional influenza-related videos are available on the CHOP website at:

<http://www.chop.edu/video/vaccine-flu/influenza.html> They feature Dr. Offit and three of his colleagues, Dr. Susan Coffin, Dr. Louis Bell, and Dr. Kristen Feemster, discussing various aspects of influenza disease and vaccination.

The Medscape and CHOP videos will be available on the homepage of IAC's website through October 17. To access them, go to:

<http://www.immunize.org> and click on the image under the

words "Video of the Week".

Remember to bookmark IAC's home page to view a new video every Monday.

To view an IAC Video of the Week from the past, go to the video archive at :

<http://www.immunize.org/votw>

"A couple of years ago, a child who had cancer came into our hospital who didn't have influenza. She caught influenza while here and then died from that disease."

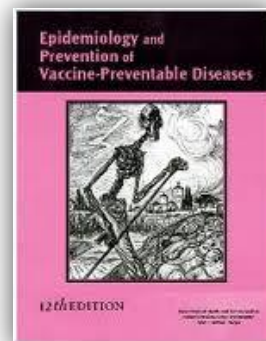
*~Dr. Paul A. Offit,
CHOP infectious
disease*

School Vaccine Requirements

For the 2010-2011 school year, state law indicates that all students entering 6-12 grade are required to have a Tdap Booster. Students entering K, 1, 2, 6, 7, 8, and 12 grade also need a second varicella vaccine. These requirements are in addition to the previously existing vaccine requirements. A

copy of the entire Wisconsin School Immunization Requirements booklet can be found at:

<http://www.dhs.wisconsin.gov/immunization/index.htm>



Determining Influenza Doses For Children 6mos-8yrs

Did the child receive influenza vaccine prior to the 2009-2010 season?	How many doses did the child receive in the 2009-10 season ?		Number of doses recommended for the 2010-11 season
	H1N1 ¹	Seasonal	
No, yes, or unknown	0 or unknown	0,1,2, or unknown	2 ²
No or unknown	1 or 2	0,1, or unknown	
No or unknown	1 or 2	2	1
yes	1 or 2	0,1, or 2	1

1. Children who had a lab-confirmed 2009 H1N1 virus infection are likely to be immune to this virus and will have a "1" in this column.

2. Give dose #2 a minimum of 4 weeks after dose #1. Children age 2 yrs. or older can receive 2 injectable doses, 2 nasal doses, or 1 of each

Another guide for determining influenza doses is an algorithm from the American Academy of Pediatrics and can be found at:

<http://aapredbook.aappublications.org/flu/Algorithm.pdf>

Influenza Resources For Your Patients & Practice

Patient Handouts (make copies and give to your patients)

"Don't Take Chances With Your Families Health"-

<http://www.immunize.org/catg.d/p4069.pdf>

"Seasonal Influenza: Questions and Answers"-<http://www.immunize.org/catg.d/p4208.pdf>

Practitioner Handouts (for practitioner use)

"First Do No Harm" <http://www.immunize.org/catg.d/p2014.pdf>

"Declination of Influenza Vaccine" <http://www.immunize.org/catg.d/p4068.pdf>

"Screening Questionnaires" (inactive vaccine) <http://www.immunize.org/catg.d/p4066.pdf>

(Live vaccine)<http://www.immunize.org/catg.d/p4067.pdf>

More Resources

FROM THE AMERICAN ACADEMY OF PEDIATRICS (Policy Statement-Recommendation for Mandatory Influenza Immunization of All Health Care Personnel

<http://pediatrics.aappublications.org/cgi/content/abstract/peds/2010-2376v1>

IAC: Honor Roll for Patient Safety (Mandatory Influenza Vaccination Policies for Healthcare Workers) <http://www.immunize.org/honor-roll>

Revised Shea Position Paper: Influenza Vaccination of Healthcare Personnel (The Society for Healthcare Epidemiology of America) <http://www.journals.uchicago.edu/doi/full/10.1086/656558>

Unprotected People...Influenza ends Martin McGowan's life
<http://www.immunize.org/reports/report103.pdf>

To read more articles and case reports about people who have suffered or died from vaccine-preventable diseases, visit IAC's web section

UNPROTECTED PEOPLE
REPORTS

www.immunize.org/reports

It includes more than 100 reports

**Jefferson County
Immunization Coalition**
1541 Annex Road
Jefferson, WI 53549

Phone 920.674.7275

Fax 920.674.7477

E-mail

amyf@jeffersoncountywi.gov

- ❖ Call Amy for more information on the coalition!



We're on the Web!

<http://www.co.jefferson.wi.us>



Answer from page 2 top: **"What is wrong with this record?"**

MMR is not valid as it was given too early (16 days following varicella)

There were 2 missed opportunities during the month of September to give the 4th DTap and 4th Hib.

Summary of 2010 ACIP influenza recommendations

- All persons aged 6 months and older should be vaccinated annually.
- Protection of persons at higher risk for influenza-related complications should continue to be a focus of vaccination efforts as providers and programs transition to routine vaccination of all persons aged 6 months and older.
- When vaccine supply is limited, vaccination efforts should focus on delivering vaccination to persons who:
 - are aged 6 months--4 years (59 months);
 - are aged 50 years and older; have chronic pulmonary (including asthma), cardiovascular (except hypertension), renal, hepatic, neurologic, hematologic, or metabolic disorders (including diabetes mellitus);
 - are immune-suppressed (including immune-suppression caused by medications or by human immunodeficiency virus);
 - are or will be pregnant during the influenza season;
 - are aged 6 months--18 years and receiving long-term aspirin therapy and who therefore might be at risk for experiencing Reye syndrome after influenza virus infection;
 - are residents of nursing homes and other chronic-care facilities;
 - are American Indians/Alaska Natives;
 - are morbidly obese (body-mass index is 40 or greater);
 - are health-care personnel;
 - are household contacts and caregivers of children aged younger than 5 years and adults aged 50 years and older, with particular emphasis on vaccinating contacts of children aged younger than 6 months; and
 - are household contacts and caregivers of persons with medical conditions that put them at higher risk for severe complications from influenza.

Upcoming Flu Clinics

St. Peter's Episcopal Church

Thursday, October 14, 2010
4 p.m. - 6 p.m.

All school shots and flu/pneumonia vaccine will be offered

302 Merchants Ave., Fort Atkinson, WI

Jefferson County Health Dept

Monday, October 18, 2010
1 p.m. - 6 p.m.

1541 Annex Road, Jefferson, WI

Flu and Pneumonia Vaccine

Cambridge High School

Tuesday, October 19, 2010
3:30 p.m. - 6 p.m.

403 Blue Jay Way, Cambridge, WI

Flu and Pneumonia Vaccine

Lake Mills Municipal Building

Thursday, October 21, 2010

2 p.m. - 5 p.m.

200 Water Street, Lake Mills, WI

Flu and Pneumonia Vaccine

Fort Atkinson Senior Center

Monday, October 25, 2010

2:30 p.m. - 4 p.m.

307 Roberts Street, Fort Atkinson, WI

Flu and Pneumonia Vaccine

St. John's Evangelical Lutheran Church

Tuesday, October 26, 2010

2 p.m. - 5 p.m.

129 N. Watertown Street, Johnson Creek, WI

Flu and Pneumonia Vaccine

Concord Community Center

Thursday, October 28, 2010

1 p.m. - 4 p.m.

W1095 Concord Center Drive, Sullivan, WI

